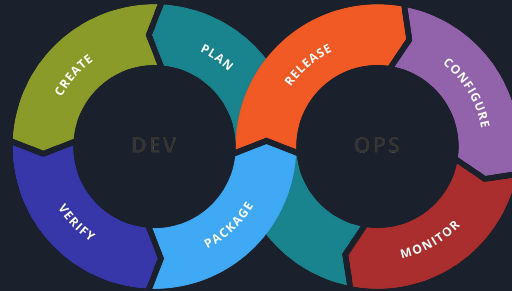


UdaPeople

Towards automation:
CI/CD





Proposal Introduction

Proposal: Build an CI/CD automated pipeline.

Main benefits: Revenue Increase and customer satisfaction.

Duration: 4 months

Resources required:

- A CI/CD tool (Circle CI), Monitoring service (Prometheus), Github
- 3 developers (full time) to develop - 1 developer (part-time) to maintain



Benefits - Productivity Increase

How:

- Fail fast. Automated tests in early stages will reveal issues as early as possible
- Automated deployments across all environments (eg Production)

Achievement:

- Increase developer efficiency
 - Developers have more time to work on development -> customer satisfaction
 - Business can run with less workforce -> Revenue increase



Benefits - Recover Fast

How:

- Revert code to a previous stable version quickly.

Issues in production can always happen after a latest release.

Achievement:

- Fast recover -> Issues in production for less time -> customer satisfaction



Benefits - Quality Increase and reduced risks

How:

- Automated tests that ensures quality of code and enforce code to be according to guidelines.

Achievement:

- Code as per guidelines means:
 - Decrease vulnerabilities -> Increased trust from customers
 - Service quality increase -> Customer satisfaction